

**For:** State and County Offices

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**Determining Eligibility and Yields for Grain Sorghum Varieties**

**Approved by:** Deputy Administrator, Farm Programs

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**1 Overview**

**A Background**

Inquiries have been received about the eligibility of certain categories of grain sorghum for loans and LDP's.

**B Purpose**

This notice provides:

- guidance to State and County Offices for assigning yields for grain sorghum harvested as other than grain
- guidelines for assigning yields for varieties of grain sorghum that are **not normally** harvested as grain
- the grain sorghum varieties, which are:
  - dual purpose, having a yield potential equal to 100 percent of hybrid varieties
  - dual purpose, having a yield potential equal to 80 percent of hybrid varieties
  - sterile varieties
  - photo-period sensitive varieties
  - ineligible varieties.

**C Effective Date**

These changes are effective for the 2004 crop year.

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Disposal Date	Distribution
January 1, 2005	State Offices; State Offices relay to County Offices

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## 2 Assigning Yield Guidelines

### A General Guidance

COC shall assign a yield that could have been expected had that actual crop been carried to harvest as grain. If the commodity is affected by any disaster, such as drought, hail, etc., the yield shall be adjusted to accurately reflect the actual yield if the crop had been allowed to be harvested as grain. For grain sorghum harvested as other than grain, obtain documentation from the producer as to the variety planted and harvested.

### B Determined Eligible Grain Sorghum

The following categories will be used to determine eligibility of grain sorghum for 2004 and subsequent crop years.

- **Category I.** Non-Tannin Sorghum for grain or silage/hay **is eligible** regardless of parentage or grain yield.
- **Category II.** Tannin Sorghum for grain or silage/hay **is eligible** regardless of parentage or grain yield, but if harvested, grain must be identity-preserved and reported.
- **Category III.** Tannin Sorghum used for pasture **is not eligible** for LDP's or any programs.

### C Methods for Assigning the Yield

Use either of the following methods to assign the yield if the variety of grain sorghum is eligible for loan or LDP.

IF...	THEN assign the yield based on...
the producer: <ul style="list-style-type: none"> <li>• harvested some acreage of the crop on the farm for grain</li> <li>• used the same management practices on all the acreage</li> </ul>	the acreage harvested for grain.
no acreage of that crop was harvested for grain on the farm using the same management practices	3 similar farms.

**Note:** The yields assigned by COC shall not exceed the actual yield for farms in the area with similar management practices that harvested the crop and variety for grain.

### 3 Establishing Dual Purpose Grain Sorghum Yields

#### A Dual Purpose

Dual purpose varieties of grain sorghum that have a yield potential equal to:

- 100 percent of hybrid grain sorghum varieties are listed in Exhibit 1

**Note:** Assign a yield of 100 percent of the grain yield using either of the methods in subparagraph 2 C.

- 80 percent of hybrid grain sorghum varieties are listed in Exhibit 2.

**Note:** Assign a yield of 80 percent of the grain yield using either of the methods in subparagraph 2 C.

#### B Sterile

Sterile varieties of grain sorghum are listed in Exhibit 3. The producer must provide documentation to COC that shows the crop was planted with a cross pollinator and that 90 percent or more of the plants could produce a grain that would be classified as grain sorghum using the Official United States Standards for Grain.

Assign a yield based on 80 percent of the yield determined by using either of the methods in subparagraph 2 C.

#### C Photo-Period Sensitive

Photo-period sensitive varieties of grain sorghum are listed in Exhibit 4. Contact the State Office for assistance with establishing maximum eligible quantity if the crop was planted south of a line from El Paso to Abilene to Dallas (Interstate 20). Assign a yield based on 80 percent of the yield determined by using the silage factor.

For any photo-period sensitive variety planted north of the line, assign a yield of zero.

#### D All Other Varieties

Ineligible grain sorghum varieties are listed in Exhibit 5.

## **4 Action**

### **A State Office Action**

State Offices shall:

- immediately publicize the contents of this notice to the maximum extent possible
- instruct County Offices to immediately notify producers of the contents of this notice using all available sources
- make determinations of dual purpose varieties eligible at the 80 percent level that are not included in Exhibit 2 based on information received from seed companies

**Note:** If more information is needed to make a determination, contact CSREES or universities, as applicable.

- inform County Offices within the State of the determinations about varieties that are:
  - eligible at the 80 percent level
  - sterile
  - photo-period sensitive
  - ineligible
- inform PSD of the determination for inclusion in a future notice.

### **B County Office Action**

County Offices shall:

- review Exhibits 1 through 5 that list applicable varieties and make LDP eligibility determinations
- advise seed companies, who believe they have eligible varieties not listed in Exhibits 1 through 4, to contact the State Office and provide information about plant characteristics and forage and grain yield potentials
- notify the State Office of any varieties not listed in this notice that may be sterile or photo-period sensitive.

**Dual Purpose Grain Sorghum Varieties With 100 Percent Yield Potential**

The dual purpose grain sorghum varieties listed in the following table have yield potential equal to 100 percent of hybrid varieties.

<b>Ag Venture</b> FS111D	<b>Asgrow</b> BBT	<b>AVA Seeds</b> AVA 7102   AVA 7110 AVA 7103   AVA 7111 AVA 7105	<b>Channel Bio Corp</b> SugarGold
<b>Crosbyton Seed Company</b> GW 3072 F GW 8528 F BMR GW 9530 Silo-N-Feed	<b>Den Besten Seed Co.</b> Pheasant Acres Sweet Chop Sweet Chop BMR	<b>Drussel Seed and Supply</b> DSS Dividend BMR	<b>Frontier Hybrids</b> Silmaker 6000 Silmaker 6500 Silmaker 7000
<b>Garrison &amp; Townsend</b> BMR-100   Silo-Milo BMR-101   Sweet T Sile-ALL	<b>Garst Seed Co.</b> 320           325 333           N-322-X 320F          331-X 344 BMR   1020F Hi-Energy II	<b>Golden Acres Genetics, LLC</b> FS466	<b>Golden Harvest J C Robinson Seed</b>  Si-Gro H-45 Si-Gro H-46
<b>Hoegemeyer Hybrids</b> 591F 602F	<b>Hyttest Seeds</b> HT 110 BMR   HT 555 HT 111 HY-Grow 77	<b>Kaystar Seed</b> Forari IV	<b>Kelly Green Seeds, Inc.</b> Silamax BMR Silamaster
<b>Land O Lakes</b> Croplan NK300 Croplan Hikane II	<b>Legend Seed Company</b> LFS-501	<b>MMR Genetics</b> MMR 304/24	<b>Monsanto - DeKalb</b> DKS59-09 FS-2 FS-22 FS-25E
<b>Mycogen Seeds</b> FS466	<b>NC+ Hybrids</b> NC+965           Nutri-Ton NC+ 8R18       NC+ Y 363 Nutri-Choice Nutri-Choice II	<b>Patriot Seed, Inc.</b> BMR-101	<b>Phillips Seed</b> Phillips 1000 bmr
<b>Producers Hybrids</b> Chaps Rodeo	<b>Production Plus+</b> Silobuster SiloBuster S Silo + Plus BMR	<b>Richardson Seed, Inc.</b> Eversweet       Silo 600D Silomaster       Silo 700D Silomaster D   Sweet R Dairy Master BMR	<b>Roth Seed Company</b> Cattle King II
<b>Seed Resource</b> Fame BMR 100 FS 515 HQ	<b>Sharp Brothers Seed Co.</b> Canex BMR 208 Canex BMR 310 Canex 50/50	<b>Sorghum Partners</b> KF 429 NK 300 HiKane II	<b>Star Seed, Inc.</b> Star Elite BMR

**Dual Purpose Grain Sorghum Varieties With 100 Percent Yield Potential (Continued)**

<b>Triumph Seed Company, Inc.</b>	<b>Walter Moss Seed Co.</b>	<b>Warner Seeds Inc.</b>		<b>Wilbers Seed Solutions</b>
Super Sile 20 Super Sile SH26	Millenium BMR	2-Way F-103 2-Way F-145 2-Way SRS 2-Way BMR	2-Way Husky	Sweet-N-Low

**Note:** This list will be supplemented with additional varieties based upon field trials conducted by the National Grain Sorghum Producers Association.

**Dual Purpose Grain Sorghum Varieties With 80 Percent Yield Potential**

The dual purpose grain sorghum varieties listed in the following table have yield potential equal to 80 percent of hybrid varieties.

<b>AgriBioTech, Inc.</b> FS-555 BMR-100	<b>Asgrow Seed Company</b> Beefbuilder T Titan R	<b>AVA Seeds</b> AVA 7109 FT	<b>Browning Seed, Inc.</b> Silage Master
<b>Casterline &amp; Sons Seed, Inc.</b> Duro	<b>Coop Seed, Inc.</b> SSF-550 SSF630 SSF660	<b>Crosbyton Seed Company</b> GW 8228 BMR GW 9110F	<b>Delta and Pine Land Co.</b> 102F
<b>Den Besten Seed Com</b> Bundle & Chop	<b>Douglass King Co.</b> K-100	<b>Fontanelle Hybrids</b> F-310	<b>Garrison &amp; Townsend</b> BMR Exp 2201 BMR Exp 2202 Silo Milo + 992003 bmr 991005 bmr
<b>Garst Seed Co.</b> 348BMR T-E Milk-A-Lot	<b>Gayland Ward Seed Co., Inc.</b> Ensile Master	<b>Giant Seed Company</b> Razin Silage Razin Feed Classic Razin Kane GM Razin Kane	<b>Golden Acres Genetics, LLC</b> T-E Milk-A-Lot T-E Milkmaker T T-E Silomaker T-E Greenchopper
<b>Golden Harvest J C Robinson Seed</b> EX 47 Si-Gro H-47	<b>Greenbush Seed &amp; Supply</b> Chop-N-Milo Hygrachop	<b>Hawkeye Hybrids</b> SS1740	<b>Hogemeyer Hybrids</b> 691 F Bale-All III
<b>Kelly Green Seeds, Inc.</b> 2-Way F-190 BMR	<b>Land O Lakes</b> Croplan Silo-Plus Croplan Silo-Plus BMR Croplan Sucrosorgo 405	<b>Legend Seed Company</b> LFS 601	<b>Mallard Seed Company</b> Mallard Rine AAA
<b>Midland Genetics</b> Silo-Fill II Dual Sil	<b>MMR Genetics</b> MMR327M/438BMRxMMR MMR 366/35 BMR MMR 366/23 BMR	<b>Monsanto - DeKalb</b> FS-5	<b>NC + Hybrids</b> Nutri-Ton II

**Dual Purpose Grain Sorghum Varieties With 80 Percent Yield Potential (Continued)**

<b>Ohlde-Midwest Seed Genetics</b> 110D 111F 112F Daisy Su Evergreen Sugar Cane	<b>Ottillie Seed</b> RO 219	<b>Phillips Seed Farms, Inc.</b> Top Notch BMR	<b>Pioneer Hi Bred International</b> 819F 947 839F 838F 840F 931 841F 956 849F
<b>Production Plus</b> MS505 DS BMR x	<b>Rainbow Seeds</b> FS-45	<b>Richardson Seeds, Inc.</b> Bundle King II Bundle King IV Sugar Red Sugar King Sweeter N Honey BMR	<b>Roth Seed Company</b> Sugar Loaf Chopper Stopper
<b>Seed, Inc.</b> 101F	<b>Seed Resource, Inc.</b> FS-555 BMR 106 FS-575	<b>Sharp Bothers Seed Company</b> Mixed Red Canex BMR 248 Canex BMR 340	<b>Sorghum Partners</b> Sucrosorgo 405 SS 405 SS 506
<b>Star Seed, Inc.</b> Magnum LDP Magnum Ultra+BMR LDP	<b>Valley Feed and Seed, Inc.</b> Udder Buster Silo Max	<b>Walter Moss Seed Co.</b> Century BMR	<b>Warner Seeds, Inc.</b> Sweet Bee
<b>Miscellaneous Varieties/Company Unknown</b>			
39-30-S Amber Atlas Coes Collier Colman	Dairy D Ellis Fremont Hegari Improved Orange Kansas Orange	Kansas Sourless Landsaver Leoti Red McLean Norkan Rancher	Red Amber Red Top Royal RS-301F Rox Orange RP 30F RP 40F
			RS 301 Sil-X Sumac Tricker Waconia Amber Waconia Orange
			White Amber X-SDR6



**Sterile Grain Sorghum Varieties**

The sterile grain sorghum varieties are listed in the following table.

<b>AgriBioTech, Inc.</b> Sug-R-Cane Brand Hybrid Forage Pik Nik II	<b>AR-B Seed</b> AR-B Hay N Graze AR-B Sweet N Mor AR-B Sweet Choice Sweet Choise BMR	<b>Asgrow</b> Titan MS	<b>AVA Seeds</b> AVA 7108ST AVA 7109ST
<b>Browning Seed, Inc.</b> Bundel King	<b>Casterline &amp; Sons Seeds</b> Sucane	<b>Coffey Forage Seed, Inc.</b> MS 7469 MS 85 MS 7445 AML 74-2 MSCA 27469	<b>Crosbyton Seed Company</b> Mor Bane II GW 9430 F GW 9530 F Goldmaker
<b>Frontier Hybrids</b> Mucho Sweet	<b>Garrison &amp; Townsend</b> Bale-All II Bale-All III	<b>Golden Acres Genetics, LLC</b> T-E Goldmaker T-E Goldmaker - S T-E Goldmaker - T	<b>Golden Harvest J C Robinson Seed</b> Si-Gro H-1
<b>Greenbush Seed &amp; Supply</b> Sweetall Sterile	<b>Hoegemeyer Hybrids</b> 612 F 625F 613 F	<b>Hyttest Seeds</b> Honey Kane	<b>J.C. Robinson Seed Co., Inc.</b> Si-Gro-H-1
<b>Kelly Green Seeds, Inc.</b> Lucky Leaf	<b>MMR Genetics</b> MMR 366/31 BMR MMR 366/36 BMR	<b>Moews Seed Co.</b> Moews Chop 1	<b>Monsanto - DeKalb</b> Asgrow Titan MS
<b>Mycogen Seeds</b> T-E Goldmaker T-E Goldmaker II	<b>NC+ Hybrids</b> Nutri-Cane II NC 305 F	<b>Ottillie Seed</b> RO219A 210 A	<b>Phillips Seed Farms</b> Sweet Bale
<b>Production Plus+</b> Cane-Maker Cane-Maker II Sweet-N-Red Ultra+Cane BMR Red + Top Plus BMR	<b>Richardson Seed</b> Bundle King BMR	<b>Roth Seed Company</b> Rocky Top Cattle King	<b>Seed, Inc.</b> Big Crop 101FS
<b>Seed Resource, Inc.</b> Sugar-R-Cane Brand Hybrid Forage Pik Nik II Sweet-N-Tall	<b>Sharp Brothers Seed</b> Canex Canex II Canex BMR 702	<b>Sorghum Partners</b> X 909-NK	<b>Star Seed, Inc.</b> Magnum
<b>Valley Feed and Seed, Inc.</b> Kane King	<b>Warner Seed, Inc.</b> Sweet Bee Sterile Sweet Bee Sterile II	<b>Wilbers Seed Solutions</b> Sweet-N-Tall	<b>Miscellaneous Varieties/Company Unknown</b> Crop Guard

**Photo-Period Sensitive Grain Sorghum Varieties**

The photo-period sensitive grain sorghum varieties are listed in the following table.

<b>Coffey Forage Seeds, Inc.</b> Maxi Gain Sugar Graze Ultra	<b>Delta and Pine Land Co.</b> G-1990	<b>Drussell Seed and Supply</b> Bonus
<b>Garrison &amp; Townsend</b> BMR 301 BMR 302 22053 bmr	<b>Garst Seed Company</b> Graze-N-Bale N 765 BMR-X R 723 BMR-X	<b>Hytest Seeds</b> HT 311 BMR PPS HT-311
<b>Legend Seed Company</b> LFS-801	<b>MMR Genetics, LLC</b> 336/70 BMR	<b>Pioneer Hi Bred International</b> 811 F
<b>Richardson Seeds, Inc.</b> Megagreen Pacesetter Pacesetter Plus	<b>Seed Resource, Inc.</b> Forage King BMR Green Graze Extra PS-210 BMR	<b>Sorghum Partners</b> 1990
<b>UAP</b> Danny Boy BMR	<b>Walter Moss Seed Co., Ltd.</b> 4-EverGreen BMR 4 -EverGreen Mega Green	<b>Warner Seed, Inc.</b> 2-Way 199PS 2-Way 199 Sucrossee 9-R PS

**Ineligible Varieties****A Grain Sorghum, Category III Varieties**

Ineligible grain sorghum, Category III varieties are listed in the following table.

<b>AR-B Seed</b> AR-B Sweet II AR-B Sweet King Sweet King BMR	<b>Browning Seed, Inc.</b> Cadan 10/10 Hayzer Cadan 10/50 Tridan Cadan 99B Farmers Favor Uron Brand Exp Hybrid OOX	<b>Coffey Forage Seeds, Inc.</b> Sugar Queen Sugar Queen III Sugar ST Sugar Graze II Sugar Graze III Sugar Graze 2000 Sugar Graze 3000	<b>Crosbyton Seed Company</b> Graz-N-Gain 7616G BMR ST GW9110G Graz-N-Gain ST 2816 G BMR
<b>Curtis &amp; Curtis, Inc.</b> Wonder Graze	<b>DeLange Seed</b> Hi Gain II	<b>Den Besten</b> Cow Chew Cow Chew BMR Hybrid Pearl Millet	<b>Douglass W. King Co.</b> Hay Day King 61 DR Sugar Sweet II Val-u-Graze
<b>Drussel Seed and Supply</b> DSS Bonus BMR DSS Bonus-R BMR	<b>East Texas Seed Company</b> Green Graze Planter's Pride	<b>Frontier Hybrids</b> Champ II Champ I Champ BMR	<b>Garrison &amp; Townsend, Inc.</b> Sugar Dan Graze All III BMR-201 Gainer Graze All
<b>Garst Seed Co.</b> 757 Tastemaker III	<b>Golden Acres Genetics, LLC</b> T-E Haygrazer T-E Haygrazer II T-E Evergreen FP-5	<b>Golden Harvest J C Robinson Seed</b> RE-GRO H-22B RE-GRO EX 33	<b>Hoegemeyer Hybrids, Inc.</b> 650S Sugar Dan
<b>Hyttest Seeds</b> HT 211 BMR	<b>Johnson Genetics</b> Hidan 36 Trudan 8 Millex 32 Trudan 10 Sardan 79	<b>Johnston Seed Company</b> Triple Treat Sweet Grazin	<b>Kelly Green Seeds, Inc.</b> 4-S 4-XPS 4-S BMR 4-FPS 4-X Lucky Su 4-Most
<b>Kirkland Seed Company</b> Sweet Chow	<b>Land O Lakes</b> Croplan Drip-O-Honey Croplan Drip-O-Honey BMR Croplan Greentreat BMR Croplan Sordan 79 Croplan Sordan Headless Croplan Greentreat IV Croplan Greentreat-Plus Croplan Highland Sweet Plus Croplan Trudan 8 Croplan Trudan Headless	<b>Legend Seed</b> LSS 410 LSS 405 LPM Preferred Manta German	<b>Mallard Seed Co.</b> Mallard SSG Mallard Sweet Miracle

## Ineligible Varieties (Continued)

## A Grain Sorghum, Category III Varieties (Continued)

<b>McCormick Seed, Inc.</b> Honey Sweet	<b>Midland Genetics</b> Sweet Graz Super Sioux	<b>Monsanto - DeKalb</b> Asgrow Grazer N1 DeKalb SX6 E DeKalb SX DeKalb SX 15 DeKalb SX 17	<b>NC+ Hybrids</b> NC+ 800HS NC+ Sweetleaf II NC+ BMR 44S
<b>Ottillie Seed</b> Sorgox Sudangrass 666	<b>Pioneer Hi Bred International</b> 877F 855F 979	<b>Producers Hybrids</b> Lariat	<b>Production Plus</b> Special Effort Go-Man-Go Sweet Sunny Sue Nutri + Plus BMR Dairymen's Dream Ster-M-Up Hi-n-Dri
<b>Richardson Seeds, Inc.</b> Honey Pasture Honey Graze BMR Tri Sweet Honey Graze IV Sweeten-n-Honey Pacesetter BMR	<b>Scott Seed Co.</b> Premium Stock Preferred Stock Scott Grazer	<b>Seed, Inc.</b> Big Crop Ribbon Grazer Big Crop Thrifty Grazer	
<b>Seed Resource, Inc.</b> Super Su 22      Green Grazer V S-222      Green Graze Supreme Dine a Nite      Cattle Grazer Sugar Beef      Att-A-Graze I Sugar Beef III      Att-A-Graze II Sugar Beef IV      SS 200 BMR Sugar Beef V      Green Pasture II Xtra Sweet SS      S 333 Forage King      Domor MS 202 BMR		<b>Sharp Bros. Seed Company</b> Grazex II Grazex II W Buffalo Brand Grazer BMR 737 Grazex BMR 727 Grazex BMR 16	<b>Sorghum Partners</b> Sordan 79 Sordan Headless Trudan 8 Trudan 10 Trudan Headless X921 X922 X999
<b>Star Seed, Inc.</b> Excel Nutri+Plus BMR	<b>Terrall Seed, Inc.</b> Terrall TV 357	<b>Triumph Seed Co., Inc.</b> SSII Sooner Sweet Super Sweet 10 SuperSweet ST15	<b>UAP Seed</b> Dynagrazer
<b>Valley Feed and Seed</b> Sweet Chief X-tra	<b>Walter Moss Seed Co.</b> SU2	<b>Warner Seed, Inc.</b> Sucrosse S1      Sooper Su Sucrosse 3R      GTW-1 Circle W      Sucrosse S2 Sucrosse 5R BMR      Gro-N-Graze 8493	

**Ineligible Varieties (Continued)****B Sweet Sorghum**

The following are ineligible sweet sorghum for sugar purposes only:

- Brandes
- Ramada
- Rio
- Roma
- Smith (MN 1500)
- Sugar Drip
- Texas Ribbon
- Texas Ribbon Cane
- Tracy
- White Ribbon
- Wiley
- Wray.